



Become a ST4STEM Fellow!

Applications are currently being accepted for the Spring 2013 Fellowship. The application deadline is January 10, 2013.

Questions? Please contact us at st4stem@gmail.com
Please visit <http://st4stem.com> to apply

The Student and Teacher Technology Transformation Teams (ST4) Project is funded by a National Science Foundation Grant and administered by the Maricopa Community Colleges. The ST4STEM Project focuses on increasing the ability of STEM CTE teachers and their students to collaboratively learn and apply STEM skills using design-based learning and technology tools.

Are you interested in learning more about technology integration? Design-based learning and instruction? Transforming how you teach? **If so, spend the semester with us as a ST4STEM Fellow!**

P.S. This is NOT your average online course! It's FUN, USEFUL and UNIQUE!

Who is Eligible?

The ST4STEM Fellowship is **only available** to Arizona high school science, technology, engineering, and mathematics (STEM) career and technical education teachers **in the content areas of agriscience, bioscience, engineering, information technology, communications media technologies, electronic technologies and precision manufacturing.**

Not Eligible?

Click [Here](#) for information on how you can still participate!



What Benefits do Fellows Receive?

Fellows receive a \$350 stipend, and two credit hours and tuition for CTE 230: Educational Technology (upon completion of the program); instructional technology publications; emerging technologies instruction (e.g. game-based learning management system, QR codes, and iPad applications); presentations by college faculty and industry experts; resources, and; career pathway connections for your students.

As a Fellow, you will participate in a semester-long online course designed to help you transform your teaching! You will learn how to use information communications technologies to support STEM activities in your classroom, and increase the ability for you and your students to collaboratively learn and apply STEM skills using these technologies. You will leave the course with learning labs and activities specific to your content area that utilize the engineering design process and technology!

This experience includes the most important elements of effective teacher professional development including ongoing learning, institutional support, hands-on classroom-based experience and mentoring, as well as activities that are integrated with your goals and occupational interests.

What are the Fellowship Requirements?

To be considered, teachers must be able to commit to the following requirements:

- Be a certified or provisional CTE teacher in a discipline listed above
- Participate in the online program from **January 15 - May 9, 2013**
- Participate in online professional development, complete project surveys and be willing to share the content they create
- Select a colleague and two students at their school to partner with in the development of a design-based learning lab
- Have access to a computer with internet

What are the Course Objectives?

Course objectives include:

- Identify information and communication technology (ICT) tools and applications for CTE courses
- Crosswalk CTE standards and common core standards pertaining to implementation of technology in CTE courses
- Create and assess design-based learning activities for students
- List best practices for guiding students as they work through design-based learning activities
- Identify ICT tools/applications to be used for connecting students to STEM professions
- Complete a design-based lesson and implement with students
- Develop a blog and professional network that will extend beyond completed course requirements
- Establish connections with CTE teachers for collaborative professional work and student activities